

## INFORMAL REPORT

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COUNTRY Germany (Russian Zone)

SUBJECT Radar Installation on Cape Arkona (Duegen)

PLACE  
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(LISTED BELOW)SUPPLEMENT TO  
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THIS IS UNEVALUATED INFORMATION

1. A radar station is located at Cape Arkona, on the Isle of Duegen. The building in which the station is located is a house built by the German Navy in 1915. The station crew, consisting of one Soviet Navy officer and 10 or 11 Soviet Navy enlisted men, live in the radar station house.

2. The radar antenna on the roof is about 20 meters in height, and the radio mast at the side of the house is about 23 meters high (see enclosures 2, 3, and 4 for position). The house is surrounded by a barbed-wire fence which also takes in the 23-foot mast.\*

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It is a signal mast used by the personnel of Arkona lighthouse for reporting wind and sea conditions, and has no connection with the radar installation

The wooden hut  is constantly occupied by two Soviet soldiers. The object just behind the wooden hut is unidentified.\*\* 25X1

3. Along the coast from Cape Arkona to Varnkewitz via Gell Ort there are no Soviet installations except for occasional trenches and foxholes.

4. The coastal area from Juliusruh to Varnkewitz via Cape Arkona is guarded by Volkspolizei units, working in double patrols. This Volkspolizei force, totalling about 60 men, is quartered in Juliusruh. In addition, there are smaller Volkspolizei units at Glowe and Alten Kirchen.

\*  Comment: The radar dome  is believed to contain a 10-centimeter surface-warning radar, possibly of the American type SL-3, an obsolete radar of American type Mark 16, or an English type 271, which has the same characteristics as the SL-3. The maximum range against large surface ships is believed to be about 22 sea miles, and for aircraft at a height of about 2,000 meters, approximately 14 sea miles. 25X1

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CENTRAL INTELLIGENCE AGENCY

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※ ☐ Comment: It may be a VHF direction-finder.

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